

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10338700 DONNER CREEK AT HIGHWAY 89, NEAR TRUCKEE, CA

LOCATION.—Lat 39°19'16", long 120°12'25", in NE ¼ SW ¼ sec.16, T.17 N., R.16 E., Nevada County, Hydrologic Unit 16050102, on right bank, 50 ft upstream from State Highway 89 bridge, 0.5 mi upstream from mouth, and 1.4 mi southwest of Truckee.

DRAINAGE AREA.—29.1 mi².

PERIOD OF RECORD.—March 1993 to current year.

WATER TEMPERATURE: August 1993 to September 1994.

GAGE.—Water-stage recorder. Elevation of gage is 5,870 ft above NGVD of 1929, from topographic map.

REMARKS.—Records good. About half the drainage area is regulated at dam at outlet of Donner Lake (station 10338400) 2.0 mi upstream. See [schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin](#).

EXTREMES FOR PERIOD OF RECORD.—Maximum discharge, about 2,500 ft³/s, Jan. 2, 1997, gage height, 12.76 ft, backwater from debris, on the basis of the flood routing the peak discharge between Truckee River near Truckee and Truckee River above Prosser Creek; minimum daily, 2.3 ft³/s, Aug. 21, 22, 1994.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	20	7.6	37	19	58	173	101	129	14	4.2	6.0
2	49	46	8.1	38	21	54	162	120	103	13	4.3	17
3	48	87	7.6	36	22	50	167	139	83	12	4.6	34
4	47	154	7.4	33	21	47	188	162	76	11	4.6	43
5	47	156	7.9	30	20	46	206	168	70	11	4.3	43
6	37	125	46	28	19	46	201	148	71	10	4.2	43
7	20	103	52	27	e20	47	191	131	66	9.8	4.4	73
8	9.7	86	30	27	20	51	202	133	53	9.2	4.4	131
9	4.3	77	26	27	19	58	197	121	45	8.4	4.2	148
10	3.8	65	28	25	18	67	189	103	40	7.8	4.1	145
11	3.6	55	27	25	18	77	188	82	39	7.4	4.6	137
12	3.3	47	25	24	18	84	195	69	38	7.2	5.3	130
13	3.1	40	26	23	17	94	198	73	39	6.7	5.1	115
14	3.6	35	28	23	17	107	184	83	45	6.2	4.4	95
15	4.5	32	26	22	17	127	152	86	47	6.0	4.3	80
16	4.4	28	24	22	32	143	100	90	46	5.7	4.3	114
17	4.1	25	22	22	87	152	72	102	45	5.5	4.0	129
18	4.0	23	21	22	75	166	54	93	39	5.0	4.0	129
19	3.9	20	20	22	68	187	45	95	32	4.8	4.3	124
20	3.9	19	22	22	62	193	43	105	29	4.6	4.8	109
21	3.7	16	23	21	58	214	43	117	26	4.6	4.4	91
22	3.9	14	21	20	56	232	41	133	24	4.6	4.3	73
23	4.1	13	21	20	52	245	44	135	22	4.5	4.1	59
24	4.0	12	34	21	51	243	51	115	20	4.3	e4.1	48
25	3.8	11	36	20	68	222	62	98	19	3.9	e4.0	41
26	3.7	9.8	32	19	79	198	80	96	18	4.2	e3.9	33
27	3.6	8.8	29	21	74	178	105	115	17	4.7	3.8	29
28	3.6	8.4	27	21	67	166	116	158	16	4.6	3.9	25
29	4.4	8.1	32	20	61	165	95	139	15	4.5	3.9	22
30	9.2	7.7	34	21	---	175	87	146	14	4.4	3.8	20
31	14	---	32	20	---	177	---	142	---	4.4	3.6	---
TOTAL	412.2	1351.8	782.6	759	1176	4069	3831	3598	1326	214.0	132.2	2286.0
MEAN	13.3	45.1	25.2	24.5	40.6	131	128	116	44.2	6.90	4.26	76.2
MAX	50	156	52	38	87	245	206	168	129	14	5.3	148
MIN	3.1	7.7	7.4	19	17	46	41	69	14	3.9	3.6	6.0
AC-FT	818	2680	1550	1510	2330	8070	7600	7140	2630	424	262	4530

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2004, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
MEAN	28.9	27.5	41.1	80.0	70.6	105	144	224	150	42.0	9.69	44.1
MAX	49.0	53.8	201	438	200	251	220	379	398	180	38.1	76.2
(WY)	2000	2003	1997	1997	1996	1995	1993	1995	1995	1995	1995	2004
MIN	4.55	8.35	9.73	8.37	11.6	30.9	39.8	64.8	12.4	4.48	3.24	11.6
(WY)	2003	1994	2000	2001	1994	1994	1994	1994	2001	2001	1994	2000

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1993 - 2004
ANNUAL TOTAL	28198.1	19937.8	
ANNUAL MEAN	77.3	54.5	78.0
HIGHEST ANNUAL MEAN			142
LOWEST ANNUAL MEAN			25.9
HIGHEST DAILY MEAN	725	May 25	2380
LOWEST DAILY MEAN	3.1	Oct 13	2.3
ANNUAL SEVEN-DAY MINIMUM	3.7	Oct 9	2.5
MAXIMUM PEAK FLOW		268	Mar 22
MAXIMUM PEAK STAGE		5.28	Mar 22
ANNUAL RUNOFF (AC-FT)	55930	39550	56520
10 PERCENT EXCEEDS	161	148	194
50 PERCENT EXCEEDS	47	30	42
90 PERCENT EXCEEDS	4.9	4.3	6.1

e Estimated.